

What is claimed is:

- [Claim 1]** An endoscope that provides both forward and rear view.
- [Claim 2]** An endoscope of claim 1, wherein it comprises of one or more rear view modules.
- [Claim 3]** The endoscope of claim 1, wherein it is capable of providing forward and rear view simultaneously.
- [Claim 4]** The endoscope of claim 1, wherein it is capable of providing forward and rear view separately.
- [Claim 5]** The endoscope of claim 2, wherein the rear view module is attached to the endoscope by means of a hinge joint, ball joint, rolling joint or any other mechanical articulation.
- [Claim 6]** The endoscope of claim 2 where the rear view module is attached to the side of the endoscope.
- [Claim 7]** The endoscope of claim 2 where the rear view module is attached to the front of the endoscope.
- [Claim 8]** The endoscope of claim 2, wherein the rear view module is embedded in the endoscope.
- [Claim 9]** The endoscope of claim 2, wherein the rear view module passes through a channel in the endoscope.
- [Claim 10]** The endoscope of claim 2, wherein the endoscope has one or more actuators that control the movement of the rear view module.
- [Claim 11]** The rear view module of claim 2, wherein it contains a one or more rear image lenses.
- [Claim 12]** The rear view module of claim 2, wherein the rear image lens is connected to an image processor.
- [Claim 13]** The rear view module of claim 2, wherein the image from the image lens is displayed on a display screen such as a computer monitor.
- [Claim 14]** The rear view module of claim 2, wherein the image from the image lens is viewed through an eyepiece.

- [Claim 15] The rear view module of claim 2, wherein it contains one or more rear illumination bulbs.
- [Claim 16] The rear view module of claim 2, wherein the rear illumination bulb is connected to a light source.
- [Claim 17] The rear view module of claim 2, wherein it is made of one or more tubular shafts.
- [Claim 18] The rear view module of claim 2, wherein it is made of one or more solid blocks that is rectangular, square, discoid or of any other shape.
- [Claim 19] The rear view module of claim 2, wherein it is made of one or more balloons or any other inflatable device.
- [Claim 20] The rear view module of claim 2, wherein it moves away from and towards the side of the endoscope.
- [Claim 21] The rear view module of claim 2, wherein it moves away from and towards the distal end of the endoscope.
- [Claim 22] The rear view module of claim 2, wherein it rotates along its vertical and horizontal axis.
- [Claim 23] An endoscope comprising more than one instrument channels.
- [Claim 24] The instrument channel of claim 23 wherein one or more channels are interconnected.
- [Claim 25] The instrument channel of claim 23 wherein each channel is independent of another.
- [Claim 26] The instrument channel of claim 23 wherein there is a valve to control the passage from one channel to another.
- [Claim 27] An endoscope comprising more than one air/water channel.
- [Claim 28] The air/water channel of claim 27 wherein one or more channels are interconnected.
- [Claim 29] The air/water channel of claim 27 wherein each channel is independent of another.

[Claim 30] The air/water channel of claim 28 wherein there is a valve to control the passage from one channel to another.

[Claim 31] An endoscope comprising more than one image lens.

[Claim 32] The image lens of claim 31 wherein it widens the field of vision.

[Claim 33] The endoscope of claim 31, wherein it contains more than one forward image lens.

[Claim 34] The image lens of claim 33, wherein the forward image lens is connected to an image processor.

[Claim 35] The endoscope of claim 31, wherein image from the forward image lens is displayed on a display screen such as a computer monitor.

[Claim 36] The endoscope of claim 31, wherein image from the forward image lens is viewed through an eyepiece.

[Claim 37] An endoscope comprising more than one illumination bulb.

[Claim 38] The endoscope of claim 37, wherein it contains more than one forward illumination bulb.

[Claim 39] The endoscope of claim 37 where the forward illumination bulb is connected to a light source.